

Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IX 3458	SERIAL NO. 09/434,870
	APPLICANT: Huse et al. <i>ATTACHED TO #5</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 4, 1999	GROUP: 10F4 1643

U.S. PATENT DOCUMENTS

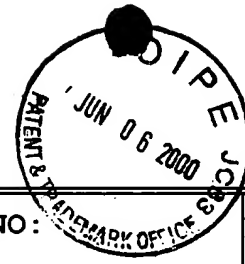
EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>LH</i>	5,223,409	6/29/93	Ladner et al.	435	69.7	3/1/91
<i> </i>	5,225,539	7/6/93	Winter	530	387.3	10/25/91
<i> </i>	5,264,563	11/23/93	Huse	530	25.3	12/14/92
<i> </i>	5,585,089	12/17/96	Queen et al.	424	133.1	6/7/95
<i> </i>	5,693,762	12/2/97	Queen et al.	530	387.3	6/7/95
<i> </i>	5,723,323	3/3/98	Kauffman et al.	435	172.3	12/2/94
<i> </i>	5,814,476	9/29/98	Kauffman et al.	435	69.1	6/5/95
<i> </i>	5,817,483	10/6/98	Kauffman et al.	435	69.1	6/5/95
<i> </i>	5,824,514	10/20/98	Kauffman et al.	435	91.1	6/5/95
<i>LH</i>	5,976,862	11/2/99	Kauffman et al.	435	252.3	6/5/95

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
<i>LH</i>	0 451 216B1	10/16/91	European	G12P21	00	
<i> </i>	0 682 040B1	11/15/95	European	C07K16	46	
<i> </i>	0 939 127 A2	09/01/99	European	G12N15	13	
<i>LH</i>						

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>12/12/00</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



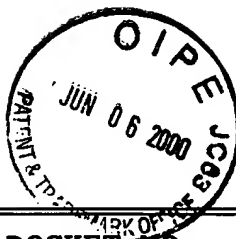
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

2110		Chothia and Lesk, "Canonical structures for the hypervariable regions of immunoglobulins," <u>J. Mol. Biol.</u> 196:901-917 (1987).
1		Chothia et al., "Conformations of immunoglobulin hypervariable regions," <u>Nature</u> 342:877-883 (1989)
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1/1		MacCallum et al., "Antibody-antigen interactions: contact analysis and binding site topography," <u>J. Mol. Biol.</u> 262:732-745 (1996).
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LTP		Thompson et al., "Affinity maturation of a high-affinity human monoclonal antibody against the third hypervariable loop of human immunodeficiency virus: Use of phage display to improve affinity and broaden strain reactivity," <u>J. Mol. Biol.</u> 256:77-88 (1996).
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LM		Yelton et al., "Affinity maturation of the BR96 anti-carcinoma antibody by codon-based mutagenesis," <u>J. Immunol.</u> 155:1994-2004 (1995).

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